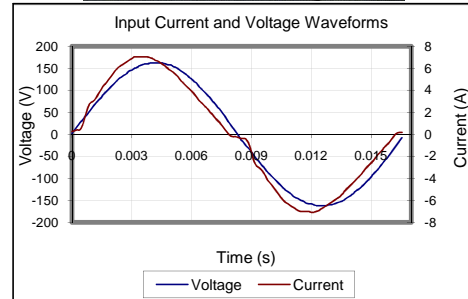


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.41%
AVERAGE EFFICIENCY :	83.89%
80 PLUS COMPLIANT:	YES



Ecos ID #	1604
Manufacturer	BE QUIET
Model Number	BQT E7-450W
Serial Number	114S9271000013
Year	2009
Type	ATX12V
Test Date	8/13/2009

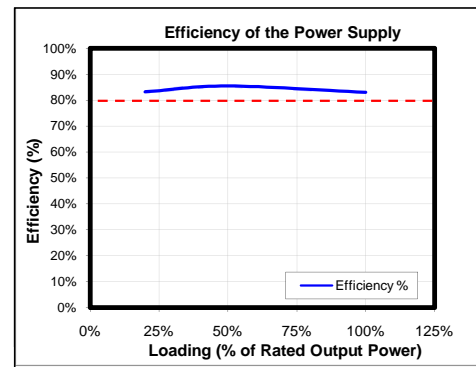
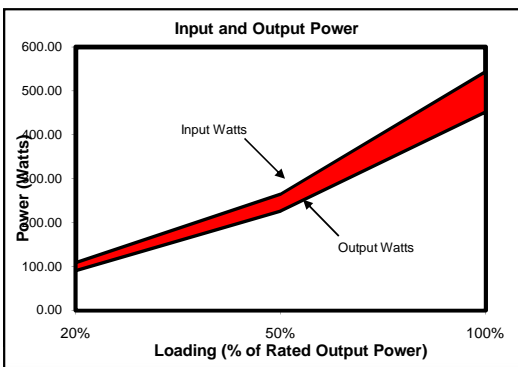


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>450</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 15.4%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)					
1.00	0.9455	29.41%	20%	Light	108.71	12.1/5.4					
2.36	0.9747	15.40%	50%	Typical	265.00	12.1/13.7				226.34	85.41%
4.80	0.9852	10.92%	100%	Full	544.30	12.1/27.3				451.94	83.03%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.